CSc9618 Practical Paper
Topic: Problem Solving Skill
Task 3

You have been asked to write a program to calculate the area of a wall and the cost of the tiles needed to cover it. The program should work for any room with up to four walls being tiled. Tiles are sold in boxes; each box covers one square metre.

Tile description	Price per box
Small black granite	$19.50
Small grey marble	$25.95
Small powder blue	$35.75
Medium sunset yellow	$12.50
Medium berry red	$11.00
Medium glitter purple	$52.95
Large oak wood effect	$65.00
Large black granite	$58.98
Large bamboo effect	$85.00
Extra-large white marble	$62.75

Task to do:

- Store the tile description, price per box and an identification code using a suitable programming technique.
- Display the list of tiles including the identification code, description and price per box.
- Prompt the user to input the height and width of the wall, and the identification code of the tiles they would like.
- Calculate and display the area of the wall, the number of boxes of tiles required (tiles are sold in boxes of complete square metres) and the total cost of the tiles.

DUKE SIN